

AMENDMENT TO THE CLAIMS

Please amend the claims as follows:

I. (currently amended) A process of extracting small molecular ingredients with molecular weight lower than 10,000 from a biological material under super high pressure, comprising the following steps:

pretreating the biological material by pulverizing and then mixing with a first portion of solvent to obtain a first mixture;

adding the first mixture into a pressure container;

closing the container;

increasing pressure in the pressure container from atmospheric pressure to a predefined pressure of 100MPa - 1000Mpa at a temperature within 5°C of room temperature;

holding the predefined pressure for 3-30 minutes;

releasing ~~the~~ pressure in the pressure container; and

removing the first mixture from the container;

wherein the small molecular ingredients comprise flavonoids, polyphenols or baicalein.

2. (currently amended) The process according to claim 1, further comprising the steps of:

adding the first mixture into a packing container, sealing the packing container and subsequently putting the packing container into the pressure container;

adding a medium for transferring pressure into the pressure container; and

removing the first mixture from the packing container after releasing pressure in the pressure container.

3. (currently amended) The process according to claim I, further comprising ~~wherein,~~ the step of increasing pressure in the pressure container to a predefined

pressure of 100MPa - 1000Mpa for a second time ~~is done in steps and the step of releasing pressure is optionally done in steps.~~

4. (previously presented) The process according to claim 1 wherein, the step of increasing pressure in the pressure container is done in a ladder-type fashion.

5. (currently amended) The process according to claim 1, wherein the step of increasing pressure in the pressure container is done in a pulse-type fashion.

6. (currently amended) The process according to claim 1, wherein the biological material is removed from the first solvent and is mixed with a second portion of a second solvent to obtain a second mixture that is added into the pressure container and the steps of increasing pressure, holding pressure and releasing pressure are repeated with the second mixture, wherein the ~~solvent of the first~~ solvent mixture and the second solvent mixture can be the same or different ~~are independently chosen.~~

7. (currently amended) The process according to claim 1, wherein the process further comprises other processing technologies selected from the group consisting of ultrasonic processing, electric pulse processing and mechanical agitation.

8. cancelled

9. cancelled

10. (previously presented) The process according to claim 1, wherein said solvent comprises water, an organic solvent, or the mixture thereof.

11. (currently amended) The process according to claim 2 ~~[[1]]~~, wherein the medium is liquid.

12. (currently amended) The process according to claim 1, further comprising adding an auxiliary additive into the first mixture.

13. (currently amended) The process according to claim I, further comprising the step of ~~heating or~~ cooling the pressure container.

14. cancelled

15. (currently amended) The process according to claim 13, wherein the step of cooling is accomplished by disposing a cooler within ~~in~~ the pressure container ~~with a cooler~~.

16. (previously presented) The process according to claim 13, wherein the step of cooling is accomplished by placing the pressure container into a cooler.

17. cancelled

18. (previously presented) The process according to claim I, wherein, the step of increasing pressure is performed in steps .

19. (previously presented) The process according to claim I, wherein, the step of releasing pressure is performed in steps.

20. (previously presented) The process according to claim I, wherein, the step of increasing pressure is performed at room temperature.